| L Number | Hits | Search Text | DB | Time stamp |
|---|---|---|---|---|
| 29 | 16 | ball$9 with (self adj seal adj valve) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/03/24 17:08 |
| 32 | 2 | $9ball with (self adj seal adj valve) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/03/24 17:09 |
| 33 | 266 | 600/29.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/03/24 17:56 |
| – | 106 | ("5935013" "6008271" "3893928" "4166841" "4380855" "4558693" "4929214" "5941752" "4578041" "4872414" "5312362" "6258083" "5429605" "4447251" "4861649" "4968545" "6136025" "4911379" "5320604" "4917646" "5460200" "4364392" "4932241" "5306194" "5334072" "5807328" "5817046" "5897533" "5919163" "6050972" "6096055" "4243033" "4248008" "4386640" "4402476" "4412568" "4439185" "4463513" "4777951" "4816020" "4819751" "4828176" "4836499" "4837955" "4850969" "4917102" "4934986" "5011468" "5295892" "5295958").pn. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/17 16:43 |
| – | 0 | 5941752.URPN. | USPAT | 2002/11/17 16:45 |
| – | 0 | 5941752.URPN. | USPAT | 2002/11/17 16:46 |

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|---|---|---|---|---|
| - | 11 | ("1247809" \| "1771730" \| "3310024" \| "3786590" \| "4781645" \| "4929214" \| "5083961" \| "5098095" \| "5188558" \| "5279873" \| "5480339").PN. | USPAT | 2002/11/17 16:46 |
| - | 6 | 4558693.URPN. | USPAT | 2002/11/17 16:55 |
| - | 5 | ("4201202" \| "4224934" \| "4353360" \| "4399812" \| "4411261").PN. | USPAT | 2002/11/17 16:56 |
| - | 75 | implant$9 with balloon with valve | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/17 16:58 |
| - | 0 | 6192917.URPN. | USPAT | 2002/11/17 17:00 |
| - | 15 | ("3230663" \| "4674532" \| "4758198" \| "5108339" \| "5188558" \| "5248275" \| "5295892" \| "5336123" \| "5405479" \| "5451179" \| "5595521" \| "5733406" \| "5830780" \| "5878768" \| "5934310").PN. | USPAT | 2002/11/17 17:00 |
| - | 5 | 5934310.URPN. | USPAT | 2002/11/17 17:00 |
| - | 9 | 5830780.URPN. | USPAT | 2002/11/17 17:01 |
| - | 8 | 4718410.URPN. | USPAT | 2002/11/17 17:10 |
| - | 52 | microballoon and valve | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/17 17:14 |
| - | 502 | 600/29,30,31,32.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/19 13:48 |
| - | 164 | 600/29,30,31,32.ccls. and balloon | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/03/24 17:55 |
| - | 235 | 600/29,30,31,32.ccls. and valve | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/17 17:18 |
| - | 0 | 6398718.URPN. | USPAT | 2002/11/17 17:22 |
| - | 25 | ("4055178" \| "4258705" \| "4804375" \| "4834704" \| "4850963" \| "4871542" \| "5019032" \| "5030199" \| "5188109" \| "5234409" \| "5334197" \| "5443470" \| "5472441" \| "5513659" \| "5579781" \| "5604531" \| "5653689" \| "5704353" \| "5732714" \| "5762599" \| "5800478" \| "5806527" \| "5989230" \| "6039967" \| "6066088").PN. | USPAT | 2002/11/17 17:22 |
| - | 40 | balloon with (valve adj stem) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/17 17:33 |
| - | 74 | silicon with (((duck adj bill) or check) with valve) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/17 17:35 |
| - | 2 | silicon with (((duck adj bill) or check) with valve) and balloon | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/19 10:39 |
| - | 956 | 604/96.01,99.02,99.03,99.04.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/19 10:58 |

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|---|---|---|---|---|
| – | 8 | (pierce or puncture) with (((duck adj bill) or check) with valve) and balloon | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/17 18:21 |
| – | 150 | (pierce or puncture) with valve and balloon | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/03/24 09:55 |
| – | 0 | 6312405.URPN. | USPAT | 2002/11/17 18:25 |
| – | 0 | 6312405.URPN. | USPAT | 2002/11/17 18:25 |
| – | 10 | ("3834394" \| "3978863" \| "4213461" \| "4327734" \| "4471779" \| "4517979" \| "4819637" \| "5181921" \| "5222970" \| "5779672").PN. | USPAT | 2002/11/17 18:25 |
| – | 33 | 5181921.URPN. | USPAT | 2002/11/17 18:26 |

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|---|---|---|---|---|
| – | 179 | ("1341052" \| "2078182" \| "2549335" \| "3334629" \| "3485234" \| "3649224" \| "3868956" \| "4327734" \| "4341218" \| "4346712" \| "5152784" \| "4402319" \| "4441495" \| "4494531" \| "4512338" \| "4545367" \| "4553545" \| "4611594" \| "4629458" \| "4638803" \| "RE32348" \| "4655771" \| "4670286" \| "4718907" \| "4732152" \| "4748986" \| "4768507" \| "4795458" \| "4798606" \| "4800882" \| "4813925" \| "4820298" \| "4830003" \| "4850960" \| "4856516" \| "4873978" \| "4950258" \| "4954126" \| "4957479" \| "4957501" \| "4990155" \| "4994069" \| "4994071" \| "5002556" \| "5015253" \| "5019090" \| "5026377" \| "5035706" \| "5643339" \| "5037377" \| "5041084" \| "5041126" \| "5061275" \| "5064435" \| "5071407" \| "5104404" \| "5108407" \| "5109867" \| "5122136" \| "5133364" \| "5133731" \| "5133732" \| "5141502" \| "5143085" \| "5147370" \| "5151105" \| "5160341" \| "5171273" \| "5176625" \| "5176661" \| "5181921" \| "5183085" \| "5186992" \| "5188621" \| "5192290" \| "5197977" \| "5203772" \| "5211658" \| "5217484" \| "5222969" \| "5222970" \| "5224953" \| "5226911" \| "5226913" \| "5228453" \| "5234456" \| "5238004" \| "5250071" \| "5256146" \| "5258042" \| "5261916" \| "5275173" \| "5304194" \| "5312415" \| "5314472" \| "5322501" \| "5336205" \| "5341818" \| "5342387" \| "5350397" \| "5354295" \| "5354309" \| "5368049" \| "5373856" \| "5382259" \| "5383887" \| "5395390" \| "5405377" \| "5409015" \| "5411475" \| "5413597" \| "5415664" \| "5417708" \| "5423829" \| "5433723" \| "5441516" \| "5443478" \| "5443498" \| "5484449" \| "5500013" \| "5514115" \| "5514176" \| "5520194" \| "5522822" \| "5522836" \| "5523092" \| "5527336" \| "5540701" \| "5549624" \| "5562641" \| "5562698" \| "5569245" \| "5578074" \| "5582619" \| "5603694" \| "5607445" \| "5609627" \| "5613981" \| "5624461" \| "5637113" \| "5638827" \| "5639277" \| "5643254" \| "5649949" \| "5645564" \| "5653726" \| "5653727" \| "5666968" \| "5667522" \| "5676697" \| "5690643" \| "5690666" \| "5690671" \| "5693085" \| "5702373" \| "5702414" \| "5713907" \| "5722989" \| "5725546" \| "5733329" \| "5743905" \| "5746765" \| "5746769" \| "5749883" \| "5749891" \| "5749894" \| "5749918" \| "5749921" \| "5788653" \| "5797957" \| "5800455" \| "5800526" \| "5814062" \| "5824059" \| "5944733" \| "5947963" \| "5984929" \| "5989242" \| "6059815").PN. | USPAT | 2002/11/17 18:26 |
| – | 1 | 6197005.URPN. | USPAT | 2002/11/17 18:27 |
| – | 12 | ("4084606" \| "4489750" \| "4653539" \| "4811758" \| "5112301" \| "5158539" \| "5165493" \| "5181921" \| "5401255" \| "5507436" \| "5814004" \| "6053896").PN. | USPAT | 2002/11/17 18:28 |
| – | 47 | 4819637.URPN. | USPAT | 2002/11/17 18:32 |
| – | 179 | 251/903.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/11/17 18:39 |

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|---|---|---|---|
| – | 56 | 427/$.ccls. and balloon and valve | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/17 18:42 |
| – | 821 | 446/$.ccls. and valve | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/17 18:42 |
| – | 36 | 446/$.ccls. and valve and (pierce or puncture) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/17 18:44 |
| – | 347 | basketball and valve | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/17 23:47 |
| – | 16942 | needlevalve or (needle adj valve) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/17 22:52 |
| – | 2495 | needlevalve or (needle adj valve) and (balloon or ball) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/17 22:53 |
| – | 48 | needlevalve or (needle adj valve) and (balloon or ball) and deflate | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/17 23:07 |
| – | 9 | 4946464.URPN. | USPAT | 2002/11/17 23:03 |
| – | 465 | 604/907,921,96,103,164.01,96.01.ccls. and valve | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/17 23:08 |
| – | 0 | 6398894.URPN. | USPAT | 2002/11/17 23:11 |
| – | 6 | ("3405018" \| "4187134" \| "4191375" \| "5320345" \| "5931752" \| "6142897").PN. | USPAT | 2002/11/17 23:11 |
| – | 0 | 6357468.URPN. | USPAT | 2002/11/17 23:14 |
| – | 2 | ("2942614" \| "3385301").PN. | USPAT | 2002/11/17 23:14 |
| – | 38 | 3385301.URPN. | USPAT | 2002/11/17 23:15 |
| – | 11 | 2942614.URPN. | USPAT | 2002/11/17 23:19 |
| – | 3 | 5915407.URPN. | USPAT | 2002/11/17 23:25 |
| – | 16 | ("2183900" \| "2731028" \| "2737969" \| "2841166" \| "3100498" \| "3310064" \| "3401714" \| "3410299" \| "3584671" \| "3905387" \| "4014048" \| "4274633" \| "5083581" \| "5090223" \| "5167561" \| "5358001").PN. | USPAT | 2002/11/17 23:25 |
| – | 4 | 5358001.URPN. | USPAT | 2002/11/17 23:26 |
| – | 4 | 4274633.URPN. | USPAT | 2002/11/17 23:28 |
| – | 1 | "1641382".PN. | USPAT | 2002/11/17 23:28 |
| – | 4 | 3905387.URPN. | USPAT | 2002/11/17 23:28 |
| – | 10 | 4662357.URPN. | USPAT | 2002/11/17 23:29 |
| – | 0 | 6060639.URPN. | USPAT | 2002/11/17 23:31 |

| - | 45 | ("3600718" \| "3839743" \| "3839821" \| "3883902" \| "3902198" \| "3919724" \| "3934274" \| "4190040" \| "4201202" \| "4216774" \| "4217889" \| "4253201" \| "4263682" \| "4413359" \| "4428364" \| "4520821" \| "4523584" \| "4566466" \| "4619245" \| "4662357" \| "4671255" \| "4685447" \| "4726404" \| "4738657" \| "4773393" \| "4773908" \| "4798584" \| "4802479" \| "4834720" \| "4840615" \| "4857053" \| "4863470" \| "4955906" \| "4955907" \| "4969899" \| "4992312" \| "5066303" \| "5085890" \| "5133753" \| "5137529" \| "5139841" \| "5141508" \| "5354275" \| "5403293" \| "5725507").PN. | USPAT | 2002/11/17 23:31 |
| - | 13 | 5403293.URPN. | USPAT | 2002/11/17 23:32 |
| - | 11 | ("3171412" \| "4781693" \| "4781702" \| "5071404" \| "5178107" \| "5199948" \| "5251873" \| "5254097" \| "5290241" \| "5295657" \| "5295658").PN. | USPAT | 2002/11/17 23:34 |
| - | 10 | 4969899.URPN. | USPAT | 2002/11/17 23:37 |
| - | 10 | "693890" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/17 23:50 |
| - | 9 | 4773908.URPN. | USPAT | 2002/11/17 23:48 |
| - | 0 | BeckerHilton.in. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/17 23:51 |
| - | 19 | Becker.in. and Hilton | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/17 23:52 |
| - | 110 | 600/29,30,31,32.ccls. and balloon and valve | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/18 08:44 |
| - | 0 | (micro adj balloon) with method and valve and (hole or slit or pierce or puncture) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/18 08:46 |
| - | 2 | (microballoon) with method and valve and (hole or slit or pierce or puncture) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/18 08:46 |
| - | 65 | 4364392.URPN. | USPAT | 2002/11/18 08:50 |
| - | 0 | microballoon and (valve with (slit or pierce$4)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/19 08:01 |
| - | 270 | balloon and (valve with (slit or pierce$4)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/19 10:23 |
| - | 55 | 4545367.URPN. | USPAT | 2002/11/19 09:55 |
| - | 13 | ("4085757" \| "4517979" \| "4545367" \| "4638803" \| "4836204" \| "5041090" \| "5258042" \| "5443478" \| "5451235" \| "5634936" \| "5725535" \| "5827171" \| "6165193").PN. | USPAT | 2002/11/19 09:56 |

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|---|---|---|---|---|
| – | 9539 | balloon and valve ((drip adj coat$4) or dripcoat$4) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/19 10:25 |
| – | 0 | balloon and valve and ((drip adj coat$4) or dripcoat$4) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/19 10:25 |
| – | 532 | balloon and valve and coat | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/19 10:25 |
| – | 2978 | balloon and valve and coat$4 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/19 10:29 |
| – | 2112 | balloon and valve and integral | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/19 10:30 |
| – | 250 | balloon and valve and coat$4 and implant and silicone | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/19 10:29 |
| – | 43 | ("4101984" \| "4343788" \| "4479795" \| "4677143" \| "4769013" \| "4872867" \| "5019096" \| "5053048" \| "5059166" \| "5067491" \| "5102402" \| "5108424" \| "5112457" \| "5197977" \| "5217493" \| "5244654" \| "5282823" \| "5298255" \| "5304121" \| "5314688" \| "5342348" \| "5344411" \| "5344444" \| "5345933" \| "5348873" \| "5356433" \| "5380299" \| "5383927" \| "5383928" \| "5419760" \| "5443458" \| "5447724" \| "5449382" \| "5455040" \| "5457113" \| "5464450" \| "5554181" \| "5569463" \| "5607475" \| "5609629" \| "5716981" \| "5824049" \| "5873904").PN. | USPAT | 2002/11/19 10:31 |
| – | 744 | microballoon | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/19 10:38 |
| – | 829 | silicon and valve and balloon | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/19 14:19 |
| – | 165 | 600/29,30,31,32.ccls. and balloon | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/19 14:55 |
| – | 62 | 604/96.01,99.02,99.03,99.04.ccls. and (balloon with implant$4) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/19 10:58 |
| – | 21 | 5304123.URPN. | USPAT | 2002/11/19 11:03 |
| – | 245 | 600/29.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/19 13:48 |

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|---|---|---|---|---|
| - | 183 | balloon and dip and silicon | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/19 14:19 |
| - | 678 | balloon and dip$5 and silicon | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/19 14:20 |
| - | 398 | balloon and dip$5 and silicone and valve | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/19 14:52 |
| - | 1002 | (ball or bladder or bubble) and dip$5 and silicone and valve | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/19 14:44 |
| - | 833 | ((ball or bladder or bubble) and dip$5 and silicone and valve) not (balloon and dip$5 and silicone and valve) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/19 14:45 |
| - | 7 | balloon and dip$5 and silicone and valve | USOCR | 2002/11/19 14:54 |
| - | 3729 | (600/$.ccls. or 128/$.ccls. or 604/$.ccls.) and balloon and valve | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/19 14:56 |
| - | 1293 | (600/$.ccls. or 128/$.ccls. or 604/$.ccls.) and balloon and valve and silicone | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/19 14:59 |
| - | 245 | (600/$.ccls. or 128/$.ccls. or 604/$.ccls.) and balloon and valve and silicone and (pierce or hole or slit) and (detach or implant$4 or unitary) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/03/24 10:22 |
| - | 65 | 4364392.URPN. | USPAT | 2002/11/19 15:08 |
| - | 164 | (pierce or puncture) with valve and balloon | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/03/24 09:56 |
| - | 8956 | (pierc$4 or puncture$4 or seal$4) with valve with ball$9 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/03/24 10:08 |
| - | 263 | silicon and ((pierc$4 or puncture$1 or seal$4) with valve with ball$5) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/03/24 10:16 |
| - | 293 | (600/$.ccls. or 128/$.ccls. or 604/$.ccls.) and balloon and (valve with (pierce or hole or slit)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/03/24 10:26 |
| - | 27 | (600/$.ccls. or 128/$.ccls. or 604/$.ccls.) and balloon and (valve with (pierce or hole or slit)) and implant | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/03/24 10:34 |
| - | 26 | RE32348.URPN. | USPAT | 2003/03/24 10:32 |

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|---|---|---|---|---|
| – | 0 | basketball with valve with pierce | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/03/24 10:34 |
| – | 2656 | $4ball$4 with valve with (slit or inflat$4) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/03/24 11:56 |
| – | 22 | $4ball$4 with valve with pierce | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/03/24 11:56 |